

2HEEL I OB 32
OLEK EL VO": 2XN 1380
OLEK EL VI"
OLEK EL VI''

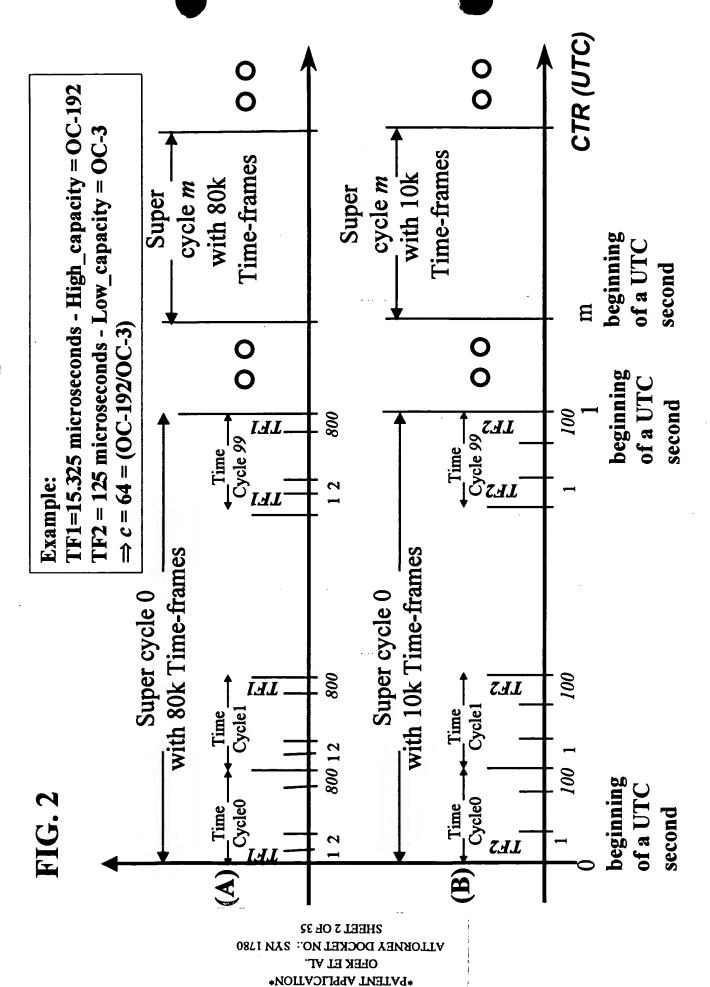
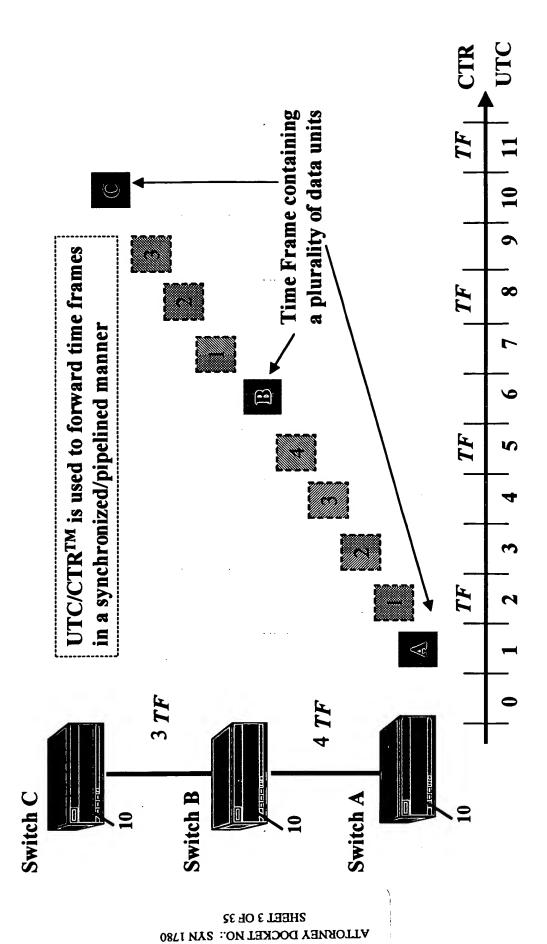
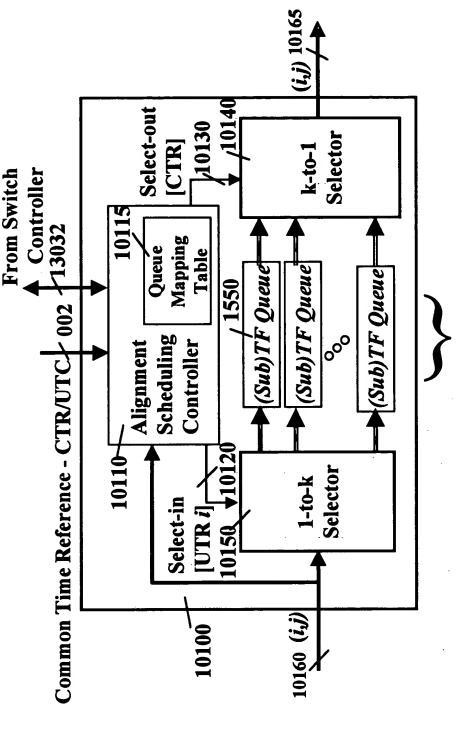


FIG. 3



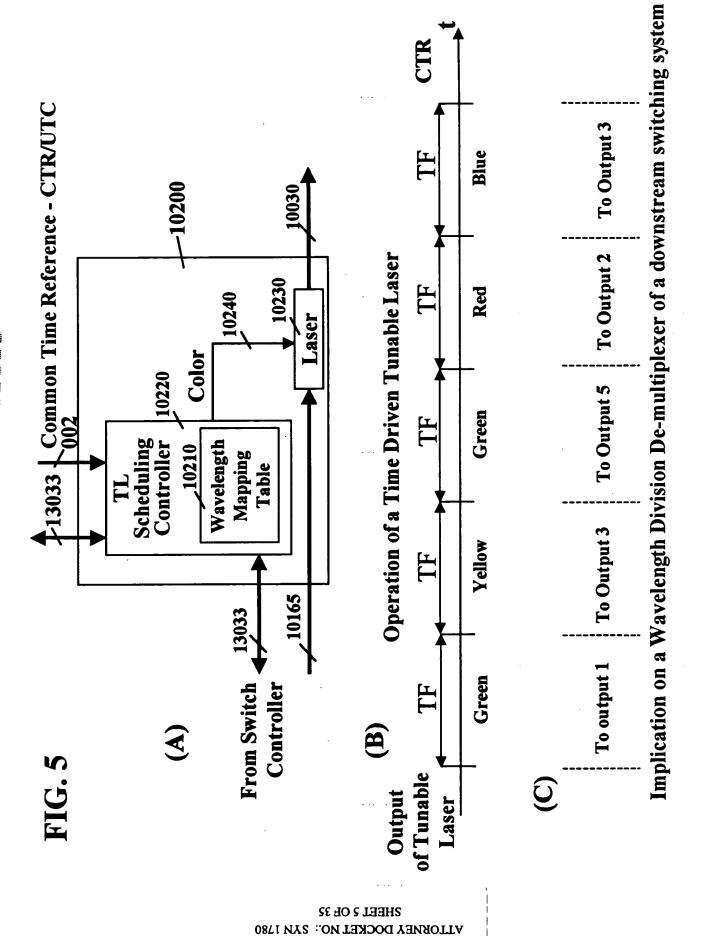
OFEK ET AL.
PATEUT APPLICATION



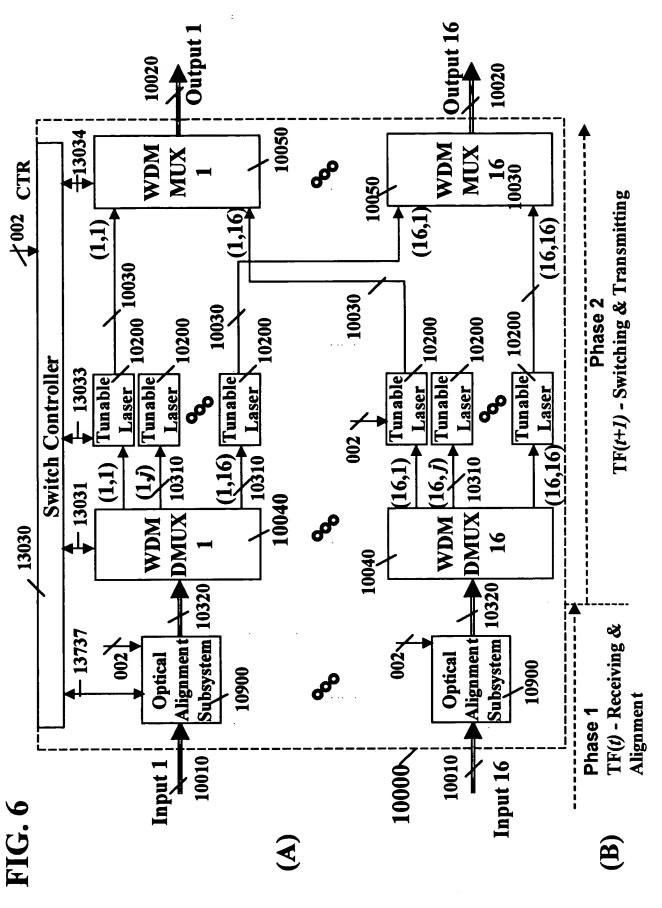
Alignment Subsystem for high capacity Channel j at Input Interface i with a Plurality of Sub-Time Frame Queues

TFi j: Time frame duration on channel j at Input Interface i. UTRi: UTR on link connected to Input Interface i

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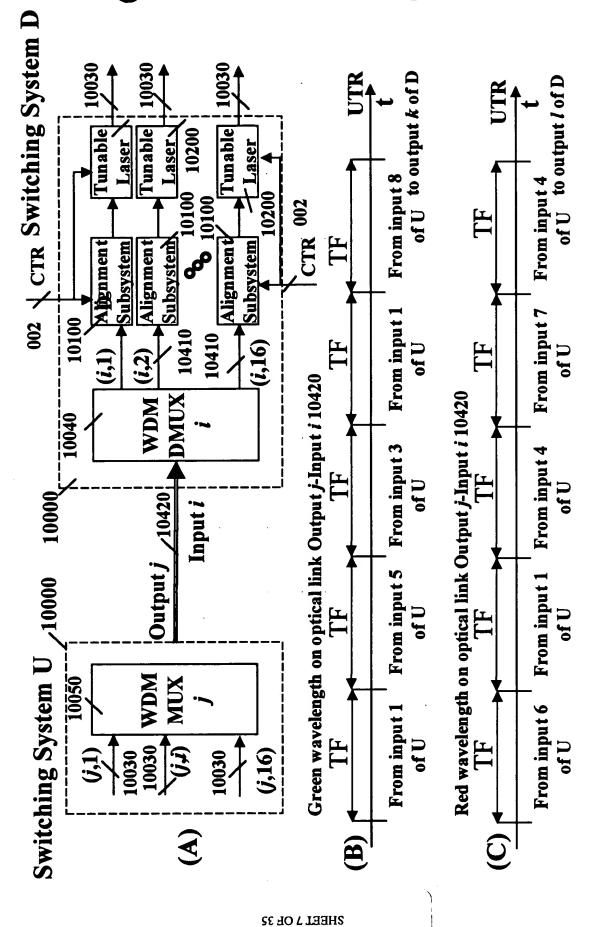


OFEK ET AL. *PATEUT APPLICATION*

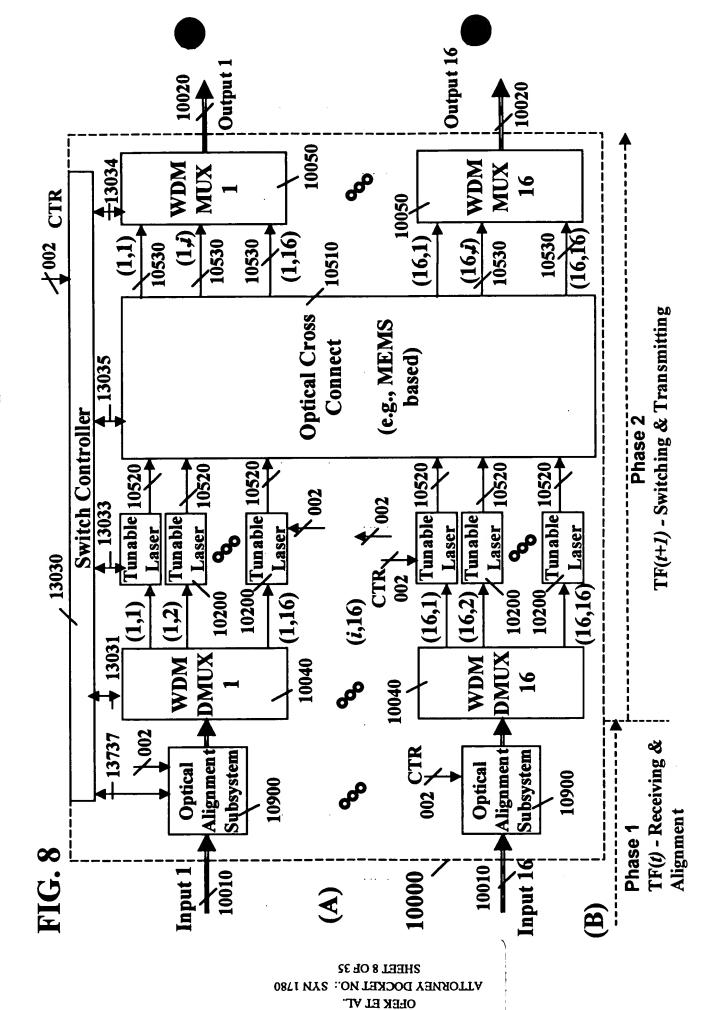


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ATTORNEY DOCKET NO.: SYN 1780
OFEK ET AL.
PATENT APPLICATION

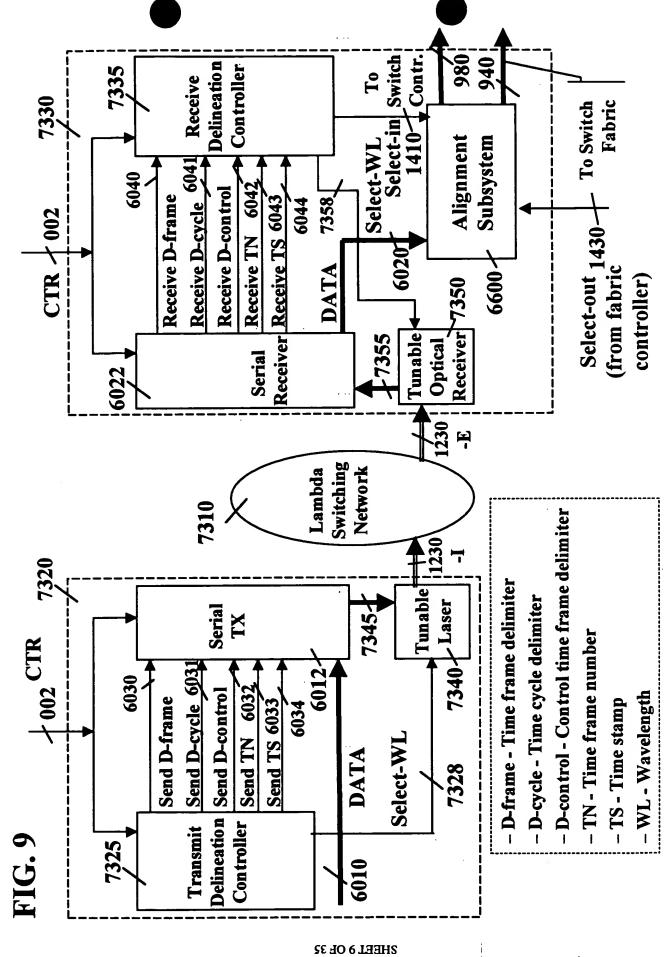
FIG. 7



VLLOBNEX DOCKEL NO: 2AN 1/80 OBEK EL YT: *bYLENL VBFICYLON*

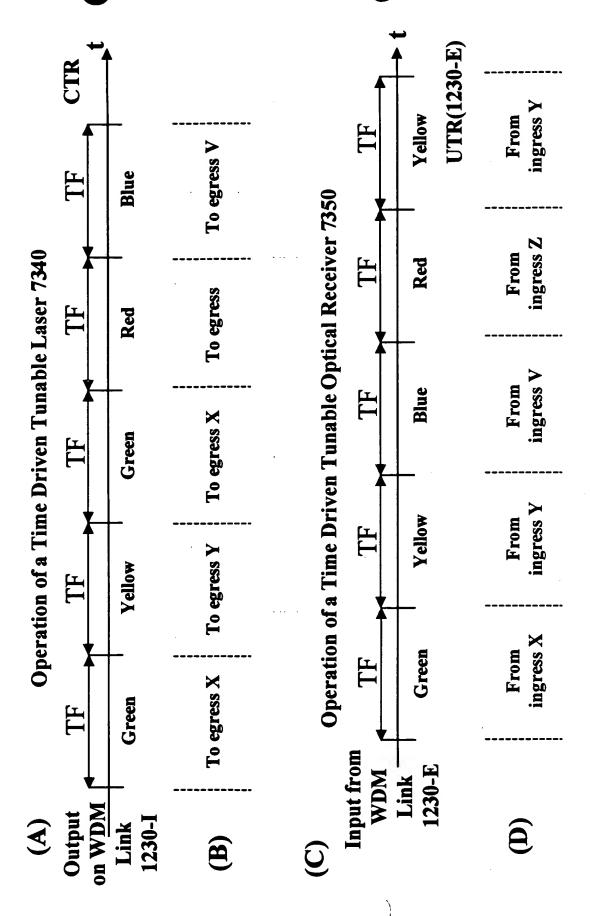


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2HEEL 8 OE 32
PLLOKNEK DOCKEL NO: 2KN 1180
OEK EL VT'
+ BYLENL VBBITCYLION+

FIG. 10



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ATTORNEY DOCKET NO.: SYN 1780
OFEK ET AL.
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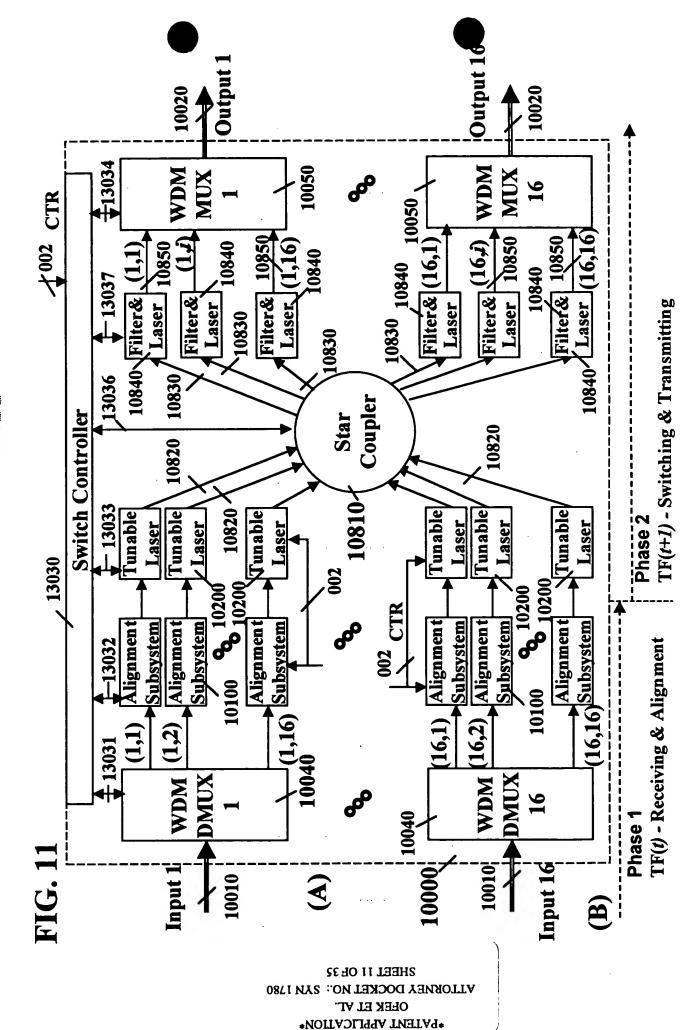
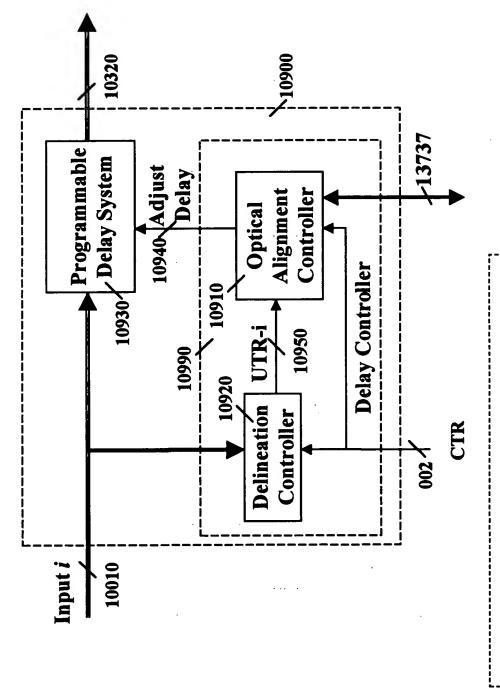


FIG. 12



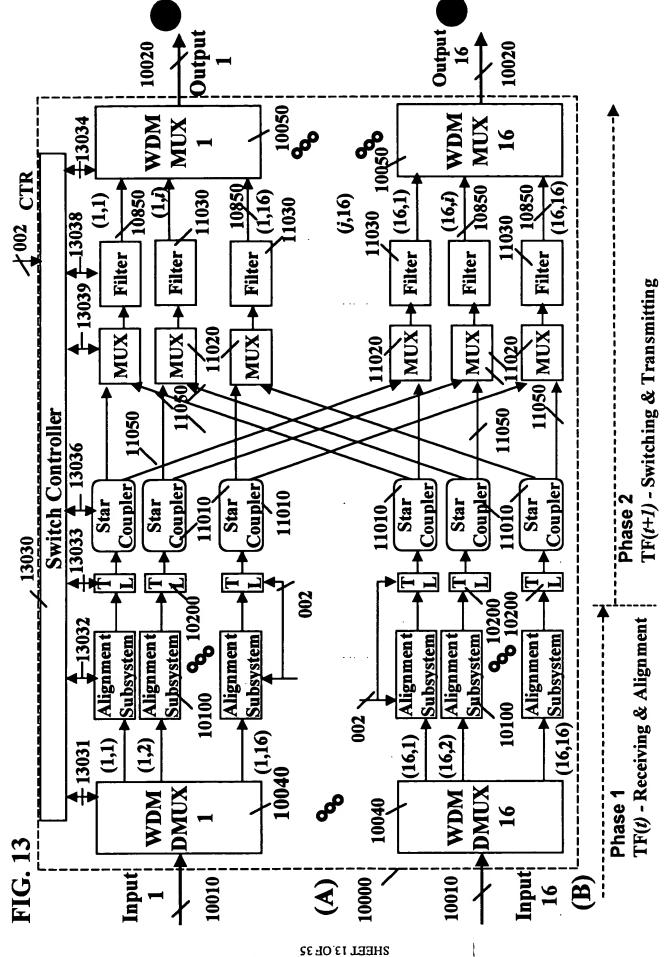
UTR-i: Unique Time Reference of input link i CTR: Common Time Reference

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**PATENT APPLICATION*

**PATENT APPLICATION*

**PATENT APPLICATION*



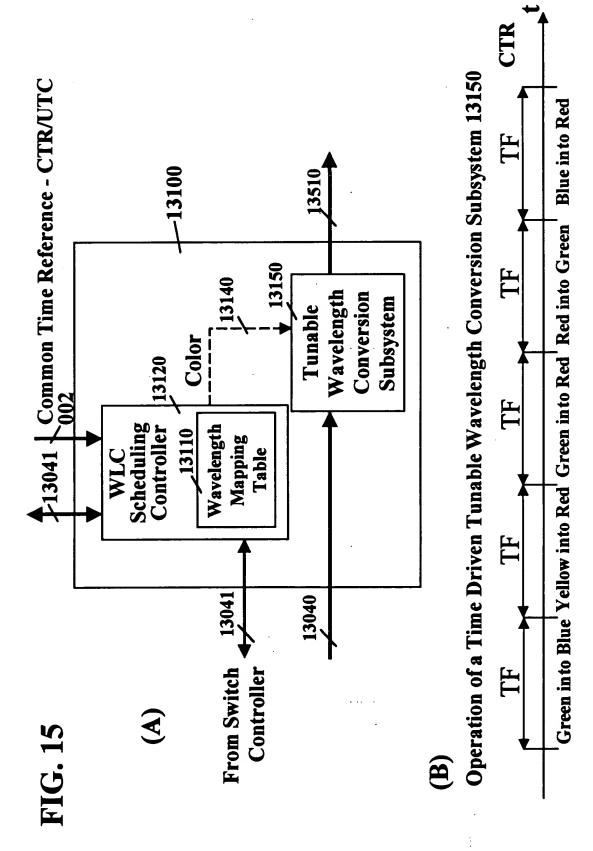
SHEEL 13 OE 32

VLLOBNEK DOCKEL NO: 2KN 1180

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Output Output 10020 10020 مَّ 1,16) 10050 CTR **WDM WDM** 0020 13034 (16,1)7 005 (16,16) 13042 (1,1) Interconnection 13520 Subsystem 1352(Optical 13510 13100 Switch Controller Subsystem 13040 Subsystem 16,16 Subsystem 13041 13040 Subsystem 13046 Subsystem ubsystem æ WLC 13020 WLC WLC WLC 13030 -1303613010 Star Coupler Coupler Star 16 13010 Subsystem 10320 Subsystem 10320 Alignment Alignment 13737 Optical Optical 10900 10900 **005**7 FIG. 14 Input Input 13000 10010 10010

PATTORNEY DOCKET NO.: SYN 1780 OFEK ET AL. OFEK ET AL. *PATENT APPLICATION*

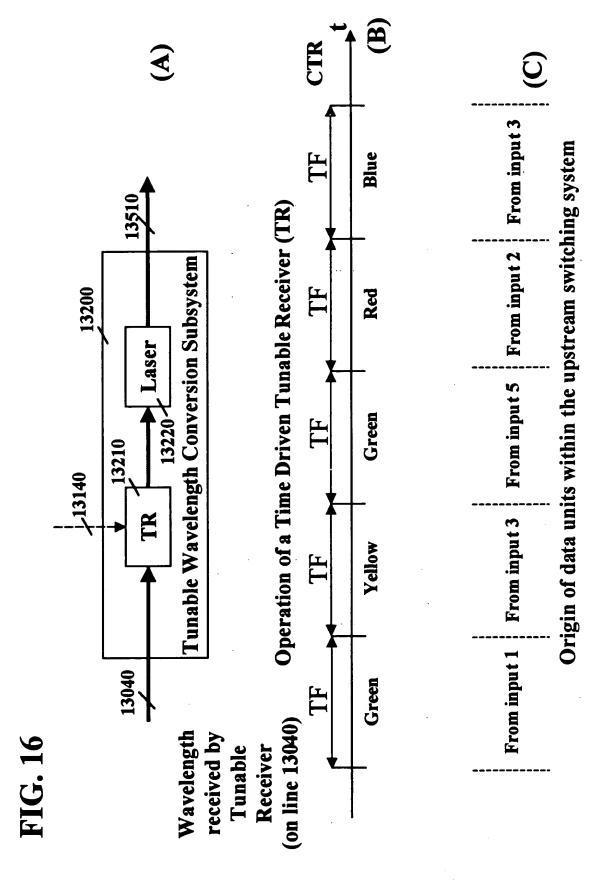


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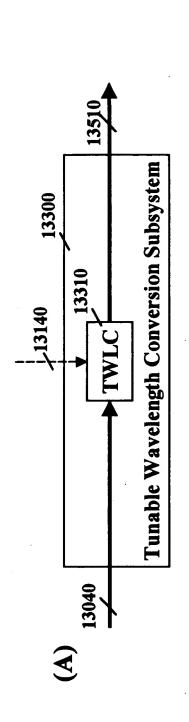
PATENT APPLICATION

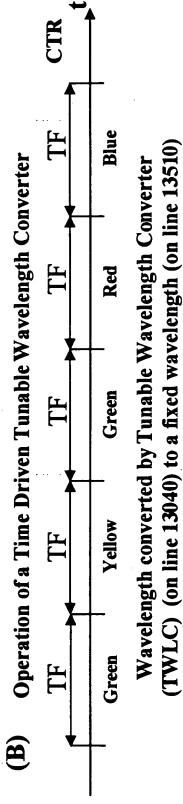
Wavelengths received 13040 and emitted 13510 by Tunable Wavelength Conversion Subsystem 13150



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OPEK ET AL.

FIG. 17



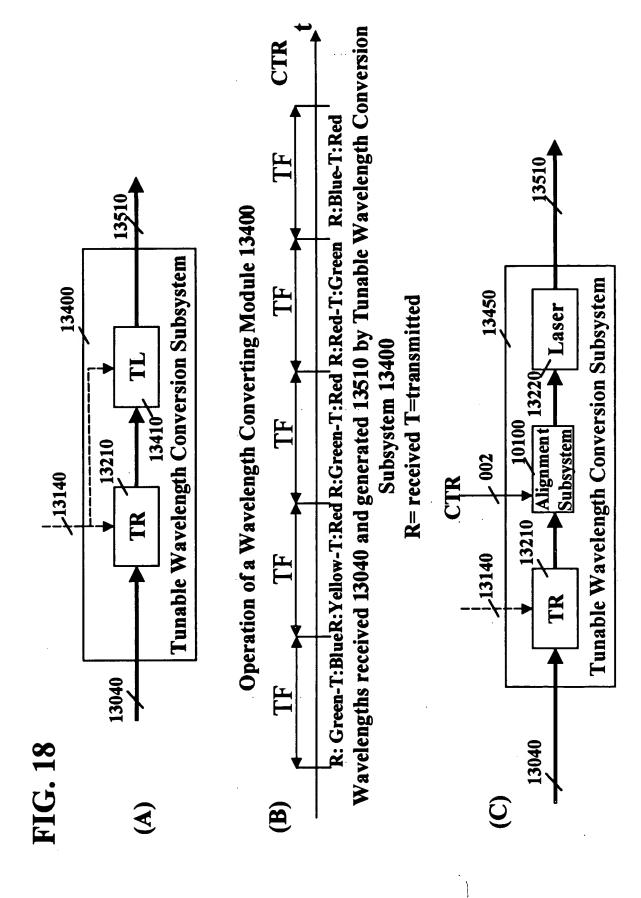


PATTORNEY DOCKET NO.: SYN 1780

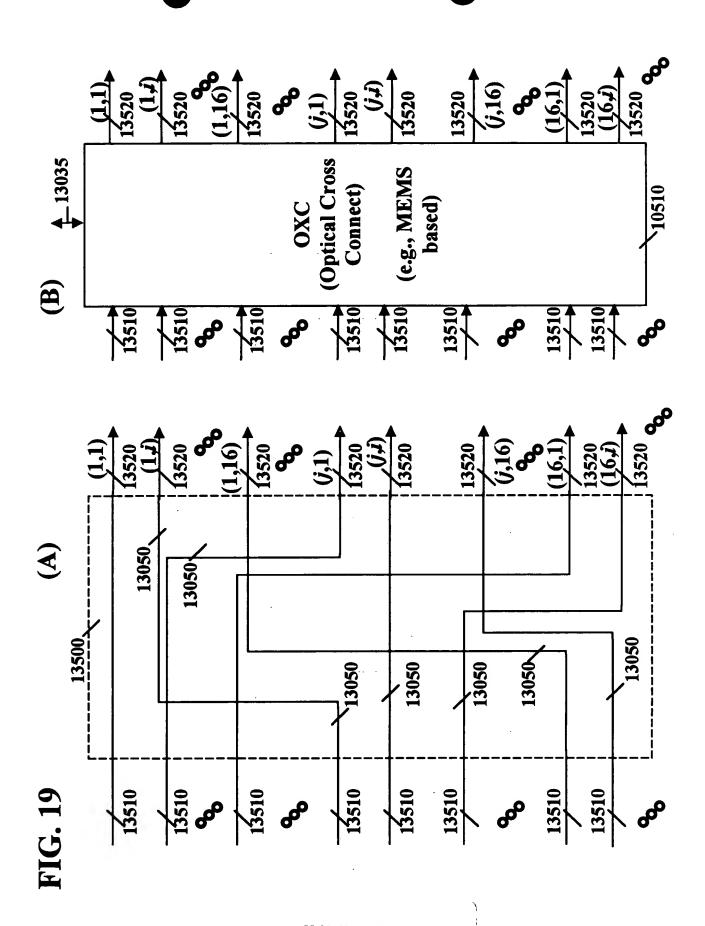
OPEK ET AL

OPEK ET AL

PPATENT APPLICATION*



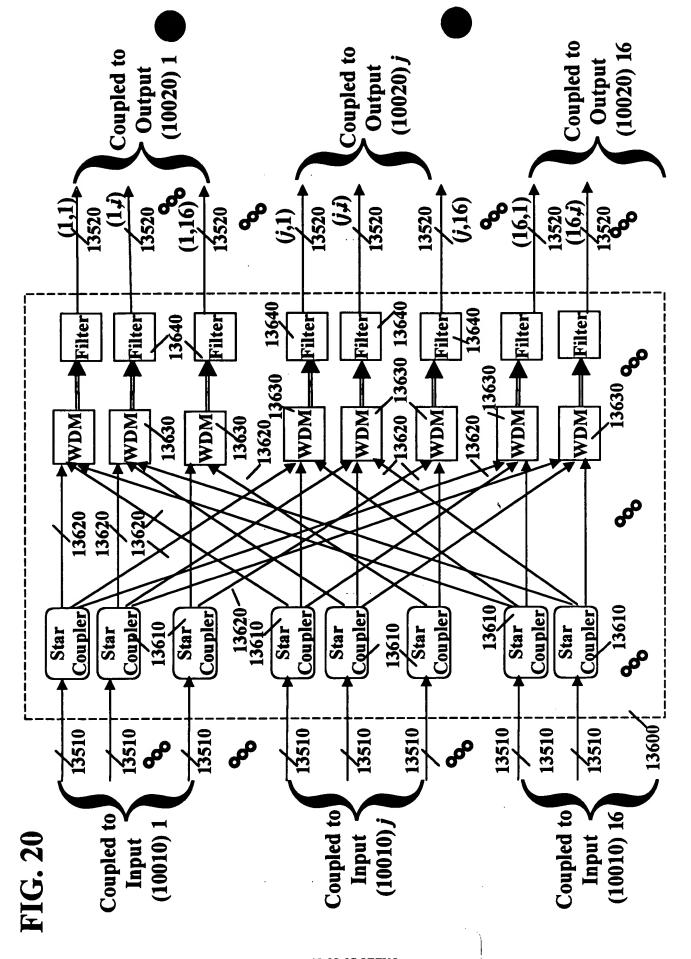
SHEET 18 OF 35
ATTORNEY DOCKET NO.: SYN 1780
OFEK ET AL.
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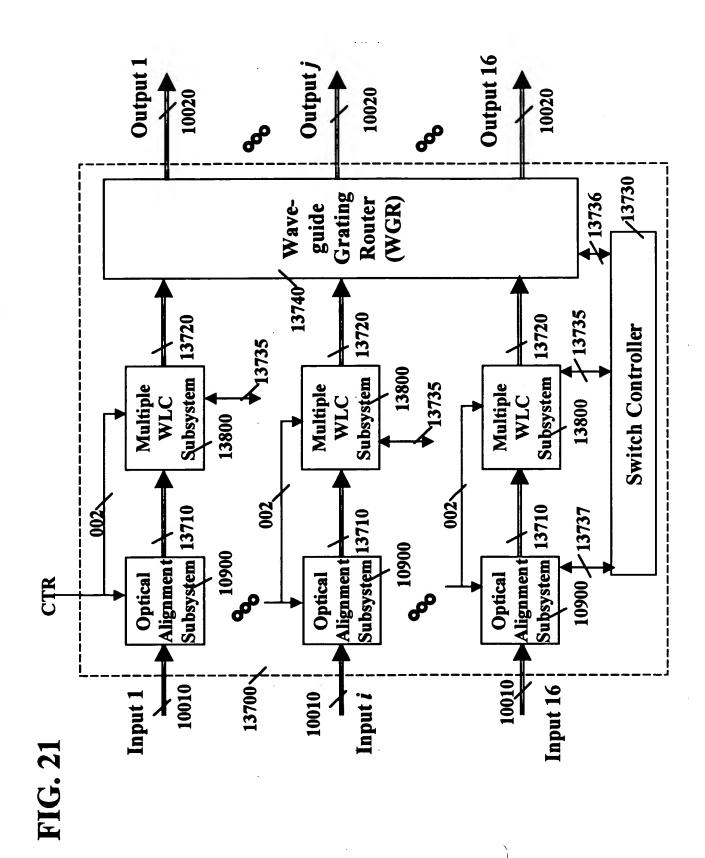
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SHEEL SO OF 35

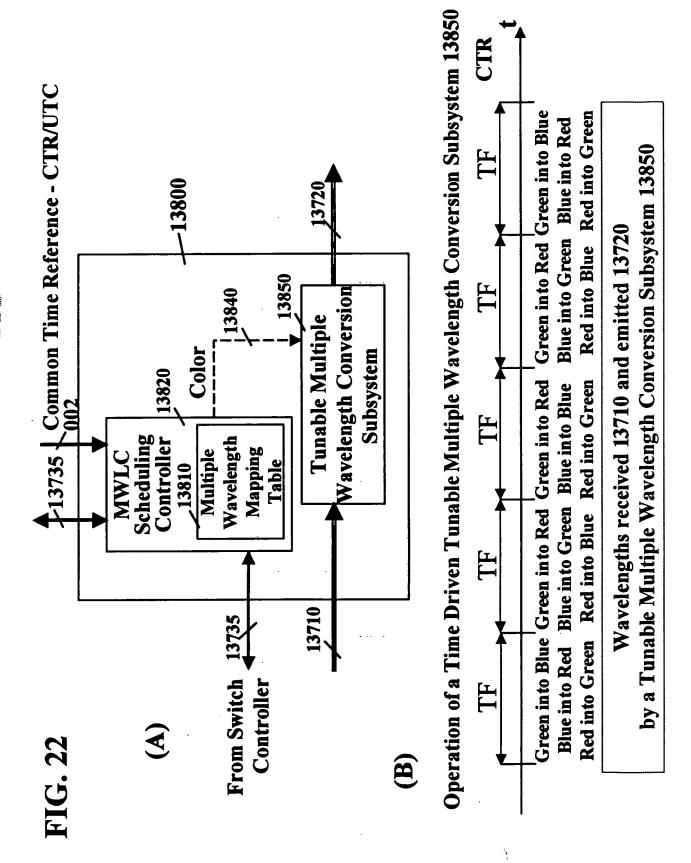
PATENT APPLICATION



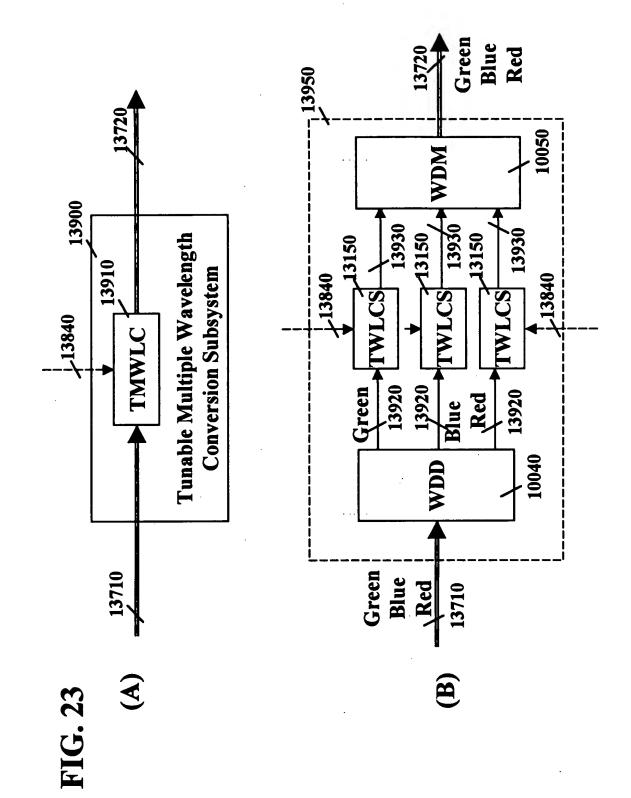
SHEEL SI OE 32

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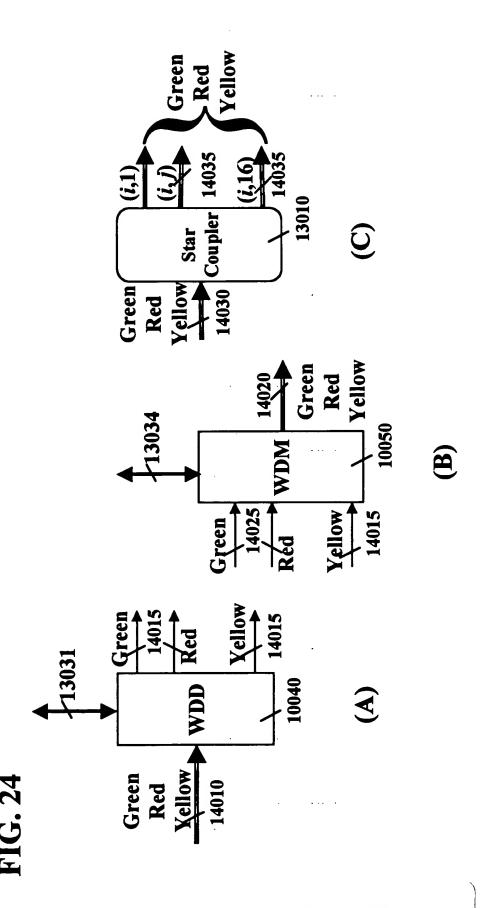


2HEEL 55 OE 32
OLEK EL VI'
OLEK EL VI'
BYLION



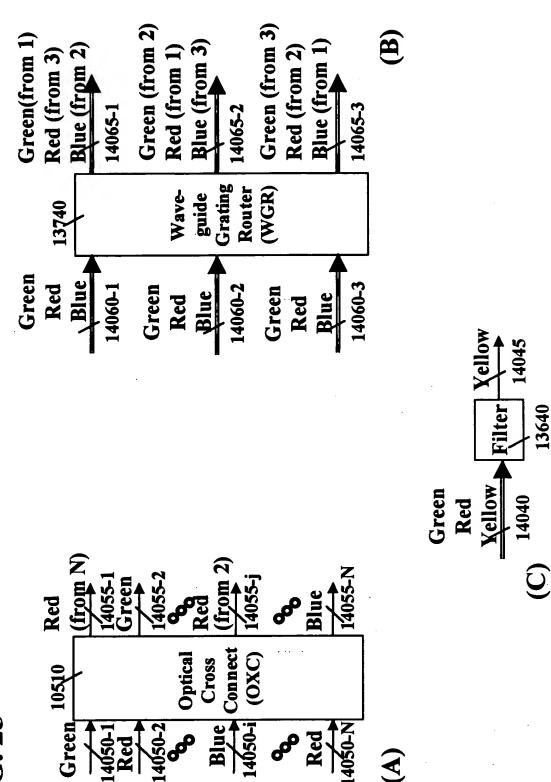
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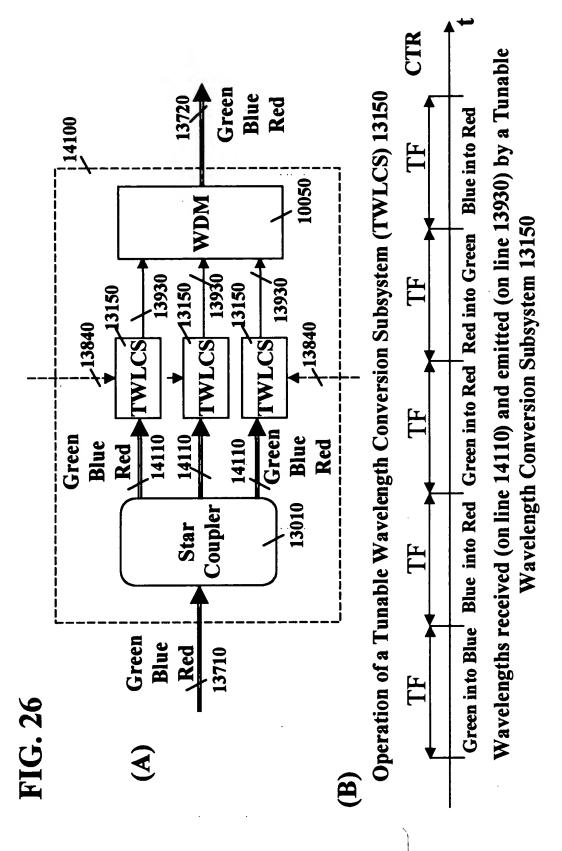


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ATTORNEY DOCKET NO.: SYN 1780
OFEK ET AL.
PATENT APPLICATION

FIG. 25



SHEEL 52 OE 32
OLEK EL VI''
BATENT APPLICATION

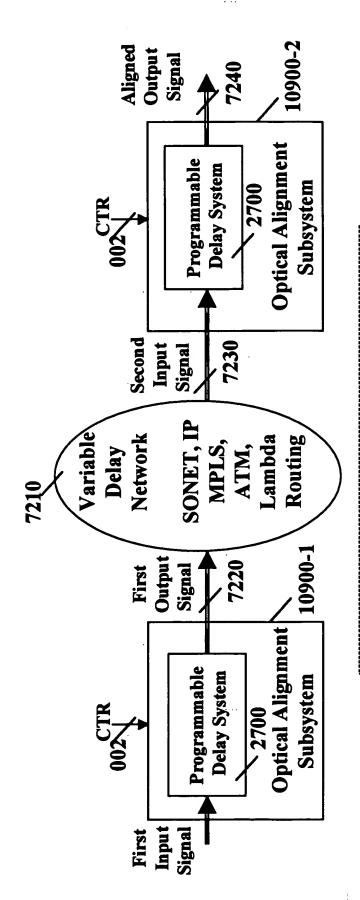


APTENT APPLICATION

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VILOBNEK DOCKEL NO: 2KN 1180 OEEK EL VI'' *bVLENL VBBLICYLON*

COSCIES POSTOR

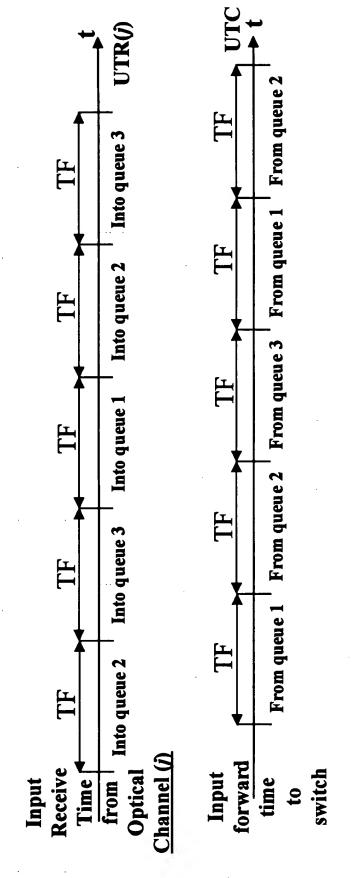


2HEEL 38 OB 32
OLEK EL YT:
OLEK EL YT:
OLEK EL YT:

Delay between the output of the 2 programmable delay lines is integer number of time frames

FIG. 29

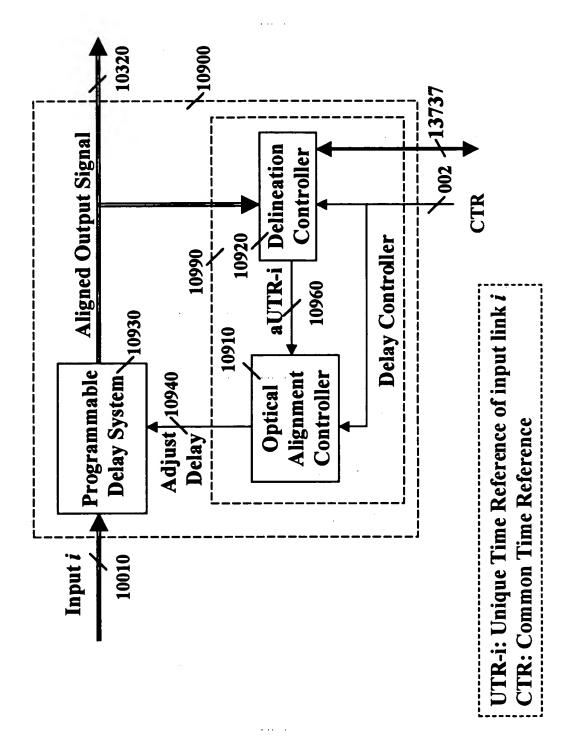




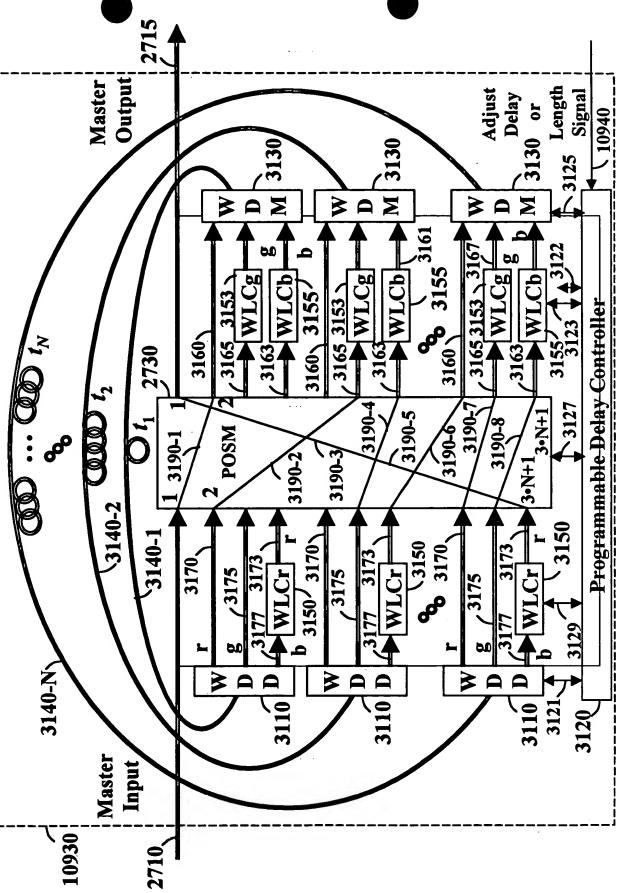
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PATENT APPLICATION

FIG. 30



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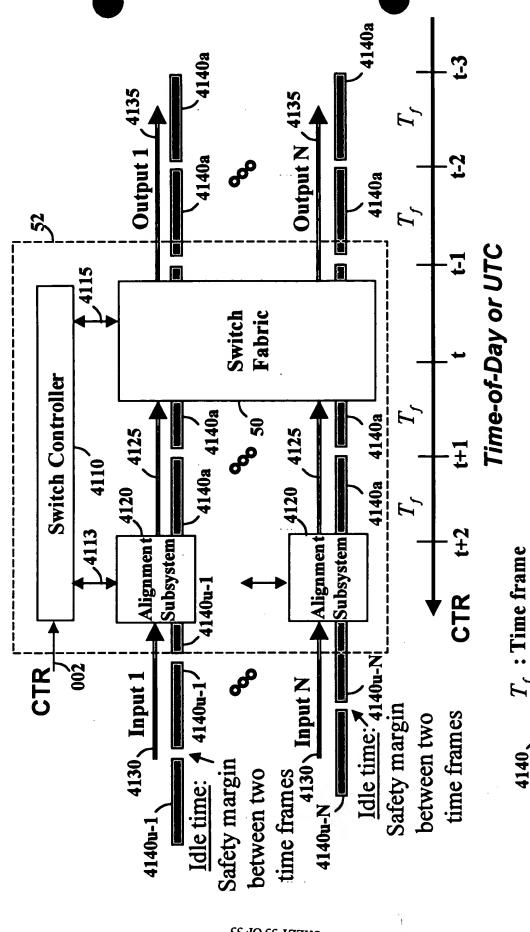


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OEEK EL VI" *bVLENT APPLICATION*

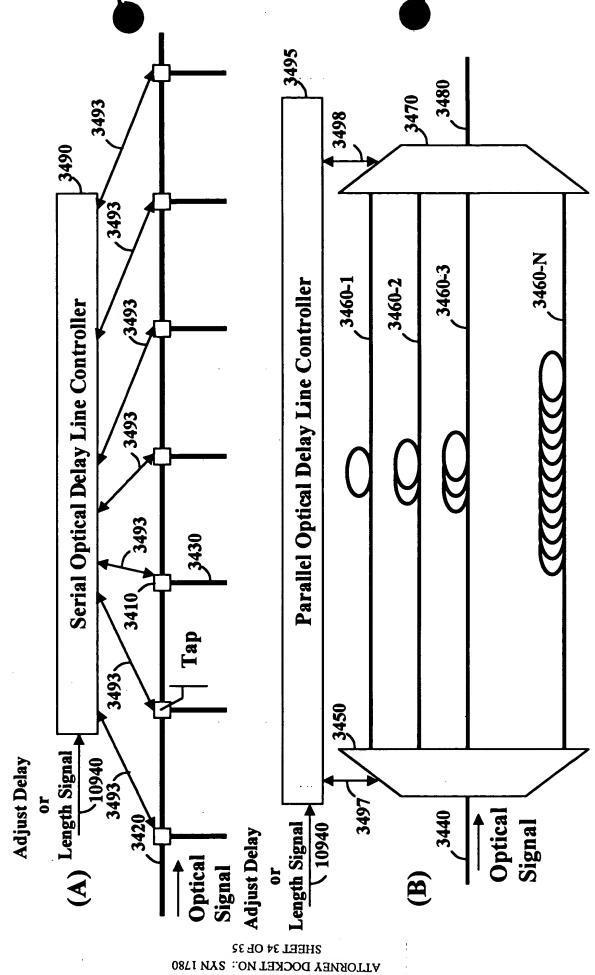
noogenee noblet

FIG. 33



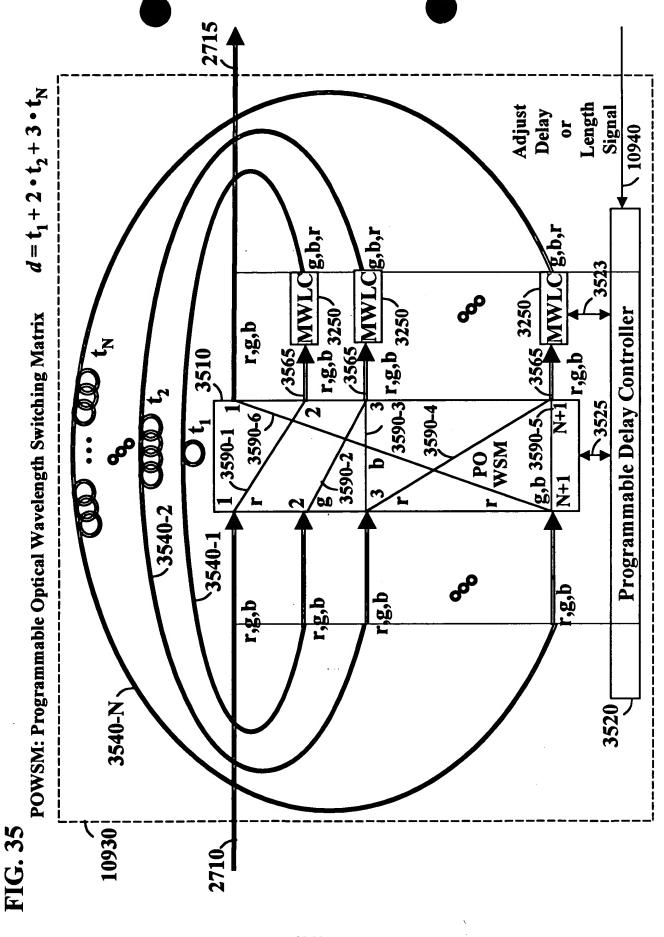
: Time frame payload – with a predefined number of data units

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OEEK EL VI' *bVLENL Vbbl'ICVLION*

FIG. 34



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PATENT APPLICATION